

What is claimed is:

1. A rotary head drum apparatus, comprising:

at least two heads oppositely disposed at two positions different by 180 ° on a rotary drum;

5 switches for selecting one of said two heads; and

a rotary transformer of one channel for transferring signals of the selected head, wherein:

said rotary transformer has a rotor side winding divided into two winding portions that are opposite to said two heads.

10 2. The rotary head drum apparatus as set forth in claim 1, wherein:

said two heads are reproducing heads.

3. The rotary head drum apparatus as set forth in claim 2, further comprising:

15 two recording heads, wherein:

said rotary transformer has another rotor side winding divided into two winding portions that are opposite to said two recording heads.

20 4. The rotary head drum apparatus as set forth in claim 1, wherein:

said two heads are recording heads.

25 5. A magnetic recording and/or reproducing apparatus of helical scan type for recording and/or reproducing signals, said magnetic recording and/or reproducing apparatus having a rotary head drum apparatus, comprising:

two heads oppositely disposed at two positions different by 180 ° on a rotary drum;

switches for selecting one of said two heads; and

30 a rotary transformer of one channel for transferring the signals of selected head, wherein:

said rotary transformer has a rotor side winding divided

into two winding portions that are opposite to said two heads.

6. The magnetic recording and/or reproducing apparatus as set forth in claim 5, wherein:

said two heads of said rotary drum are reproducing heads.

5 7. The magnetic recording and/or reproducing apparatus as set forth in claim 6, further comprising:

two recording heads, wherein:

said rotary transformer has another rotor side winding divided into two winding portions that are opposite to said  
10 two recording heads.

8. The magnetic recording and/or reproducing apparatus as set forth in claim 5, wherein:

said two heads of said rotary drum are recording heads.